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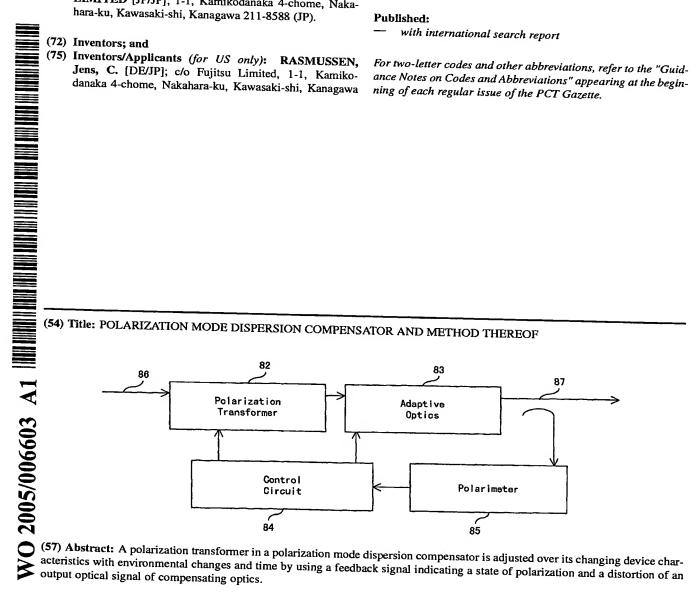
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acteristics with environmental changes and time by using a feedback signal indicating a state of polarization and a distortion of an output optical signal of compensating optics.